

**SYBCA**  
**Visual Basic - 203**  
**Lab Assignment - 3**

**Date of submission:**

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- 1 How will you handle your keystrokes for [ **TYBCA - Prelim -2006 4 Marks**]  
Uppercase input,  
Lowercase input,  
Input numbers only,  
Input characters only,  
Limiting characters,  
Input date only.
- 2 Design a VB interface, which list even numbers between 1 and 100.
- 3 Design a VB interface, which list odd numbers between 1 and 100.
- 4 Design a VB interface, which list prime numbers between 1 and 100.
- 5 Design a VB interface, which takes any number as input and checks whether it is even - Odd or Prime.
- 6 Design a VB interface, which works for addition, multiplication, subtraction, division, and module of two numbers also give square of a number, less than, greater than etc.
- 7 Design a VB interface, which takes a number as an input which defines a range. It gives the summation of numbers start with 1 to the input range.
- 8 Design a VB interface, which on clicking the command button displays in the label what has been clicked.
- 9 Add items, run time in combo boxes.
- 10 Design a VB interface, where the label displays value of scroll bar on change of the scroll event.
- 11 Design a VB interface, where the color of circle (shape) changes as per the scroll bars value that is being put between 1 to15. Use QBcolor function.
- 12 Design a VB interface, which shows manual dragging & dropping.
- 13 Design a VB interface, for free hand drawing that gives you various option for selecting colors and width.
- 14 Design a VB interface, with all kinds of message boxes.
- 15 Try input box function.
- 16 Design a VB interface that changes the width of the shape according to scroll bar value.
- 17 Animation of moon.
- 18 Design image viewer to view selected image from file list. Use appropriate controls. **[TYBCA Prilim-2007 Marks-10]**
- 19 Put pixel on screen using, Pset method.
- 20 Change the width and radius of the circle according to the value of scroll bars.

- 21 Use drive list box, directory list box, file list box for opening text and picture files.
- 22 Design a screen saver program in which one circle rotates randomly on screen. If it touches any boundary of form then it should come back from there.  
[SYBCA - 2007]
- 23 Design a VB interface that contains two command buttons start and stop to create earthquake effects. When you press start button earthquake effects is displayed and when you stop it should stop the effect. [SYBCA-2007]
- 24 Write a VB code to move command button. Your interface should have one horizontal and one vertical scrollbar. And as you scroll scrollbar the command button should move accordingly. [hint: when you scroll vertical scrollbar then command button should move upward or downward and when you press horizontal scrollbar it should move left or right ] [SYBCA - 2007 10 marks]
- 25 Design menu as below with given options.

<u>Shape</u>	<u>Color</u>	<u>Fill Style</u>
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- Shape Menu should contain options like..... Arc, Square, Ellipse, Line, Circle, Select Picture
- Color Menu should contain options like Red, Green, Blue, White, Black, Yellow
- Fill Style Menu should contains options like Transparent, Solid, Up Diagonal, Down Diagonal, Flip vertical or horizontal if picture is selected.

When user select shape from shape menu the appropriate shape should be drawn on picture box.

When user select color from color menu the appropriate color should be fill in the shape drawn next.

When user chooses the fill style from fill style menu that should be reflected in next drawing. [SYBCA - Prilim-2007 - 30 Marks]

- 26 Design VB interface that uses toolbar and dynamically assign no of buttons of the toolbar and dynamically assign the image on the button of toolbar. [TYBCA - March - 2006 - 7 Marks]

- 27 Create one application, which incorporates one textbox and has the facility to search particular words in textbox and also simple code of the game "Catch me if you can" in the same.
- 28 Create database connection with oracle and perform following operations.  
**[TYBCA - March - 2006 - 7 Marks]**

